



# BS Biochemistry in 4 Years 2017-2018

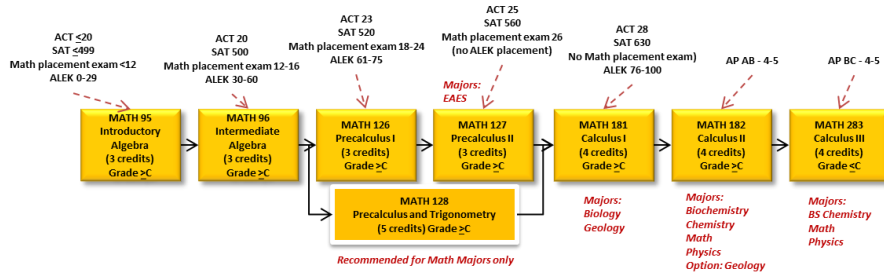
## Department of Chemistry & Biochemistry

Catalog Year: Fall 2017-2018 ♦ Catalog Expires: Summer 2028 ♦ Graduation: Spring 2021

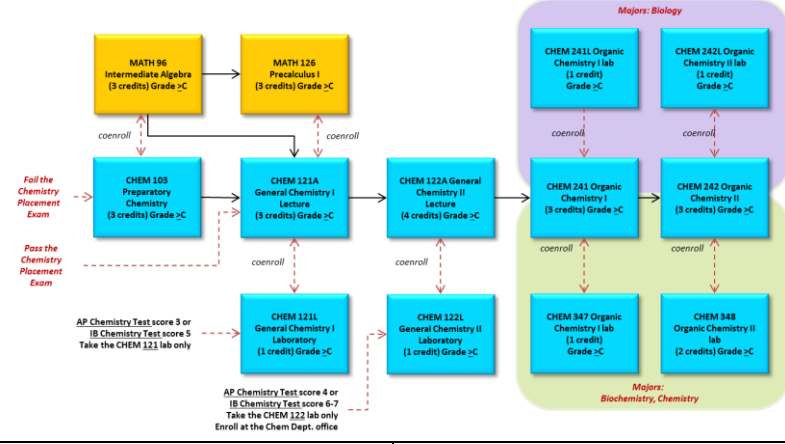
	First Semester		Second Semester	
	Course	Credits	Course	Credits
1st Year	→ ENG 101 English Composition I	3	→ ENG 102 Composition II	3
	→ MATH181 Calculus I	4	→ MATH 182 Calculus II	4
	Choose First Year Seminar (SCI-101 recommended)	2	→ CHEM122A & 122L General Chemistry II	4
	→ CHEM121A & 121L General Chemistry I	4	Choose Humanities Field 1	3
	Choose Social Science Field 1	3		
	Total First Semester: <b>16</b>		Total Second Semester: <b>14</b>	
	Third Semester		Fourth Semester	
	Course	Credits	Course	Credits
2nd Year	→ CHEM241 Organic Chemistry I	3	→ CHEM 242 Organic Chemistry II	3
	→ CHEM347 Lab. Techniques of Organic Chemistry I	1	→ CHEM 348 Lab. Techniques of Organic Chemistry II	2
	BIOL 196 Modern Biology I	4	BIOL 197 Modern Biology II	4
	Choose Second Year Seminar	3	Choose Humanities Field 2	3
	→ PHYS 151 General Physics I	4	→ PHYS 152 General Physics II	4
	Total Third Semester: <b>15</b>		Total Third Semester: <b>16</b>	
	Fifth Semester		Sixth Semester	
	Course	Credits	Course	Credits
3rd Year	→ CHEM 355 Quantitative Analysis	3	→ CHEM 455 Instrumental Analysis	3
	→ CHEM 355L Quantitative Analysis Laboratory	2	→ CHEM 455L Instrumental Analysis Laboratory	2
	Choose Social Science Field 2	3	Choose Social Science Field 3	3
	→ CHEM 474 Biochemistry I	3	→ CHEM 475 Biochemistry II	3
	→ Choose Upper Division Biology	3	HIST 100 or PSC 101 US NV Consitution	4
	Total Fifth Semester: <b>14</b>		Total Sixth Semester: <b>15</b>	
	Seventh Semester		Eighth Semester	
	Course	Credits	Course	Credits
4th Year	→ CHEM 472 Biochemistry Laboratory	2	→ Choose Upper Division Chemistry	5
	→ CHEM 476 Advanced Topics in Biochemistry	3	→ Choose Upper Division Biology $\diamond$	4
	→ BIOL 300 Genetics	4	→ CHEM 422 Physical Chemistry II	3
	→ CHEM 421 Physical Chemistry I	3	Choose Fine Arts	3
	→ Choose Upper Division Biology $\diamond$	3		
	Total Seventh Semester: <b>15</b>		Total Eighth Semester: <b>15</b>	
Notes				
→ course has a prerequisite--see reverse side for course sequences or go to the UNLV online catalog at <a href="http://catalog.unlv.edu/">http://catalog.unlv.edu/</a>				
*Student who place below MATH 181 should enroll in math during summer terms				
Notes	$\Delta$ A minimum of six (6) credits are required, to be composed of a three-credit multicultural course and a three-credit international course that may simultaneously fulfill other general education requirements. A single course may not simultaneously meet both the multicultural and international requirements. Discuss with your Academic Advisor!			
	$\diamond$ BIOL 304, 351, 405, 409, 412, 415, 417, 425, 440, 442, 445, 447, 448, 453, 460, 466, 468, 470, 473, 475, 480, 481, 485, CHEM 478			
	*The sequence PHYS 180 -180L, and PHYS 182 -182L is an acceptable replacement for PHYS 151, 152; any two course combination from PHYS 180, 181, and 182 is not an acceptable replacement			
	The minimum number of semester credits required for a bachelor's degree for a student graduating under the regulations of the 2016 - 2017 Undergraduate Catalog is 120. At least half of the credits required for a baccalaureate degree at the institution must be earned at a four-year institution.			
	A candidate for the baccalaureate degree must complete the last 30 UNLV semester credits in uninterrupted resident credit as a declared major in the degree-granting college. A student must declare a major prior to enrolling in their last 30 UNLV resident credits.			
In order to graduate, an undergraduate student must have a minimum cumulative grade point average of 2.00 for the total of all college-level credit attempted at the University of Nevada, Las Vegas (UNLV GPA). College and department GPA requirements must also be met.				

# LOWER DIVISION PREREQUISITE COURSE SEQUENCES FOR CHEMISTRY & BIOCHEMISTRY MAJORS

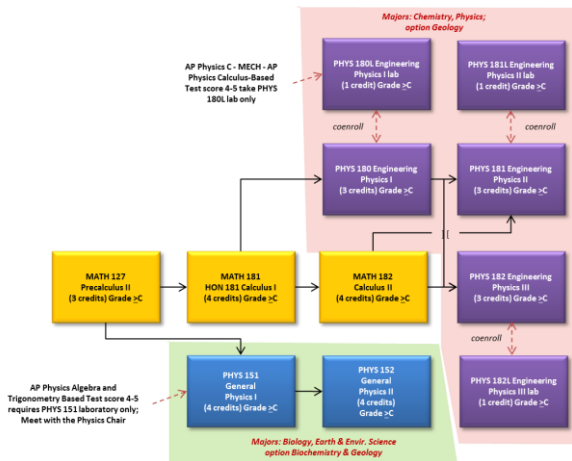
## Lower Division Math Sequence



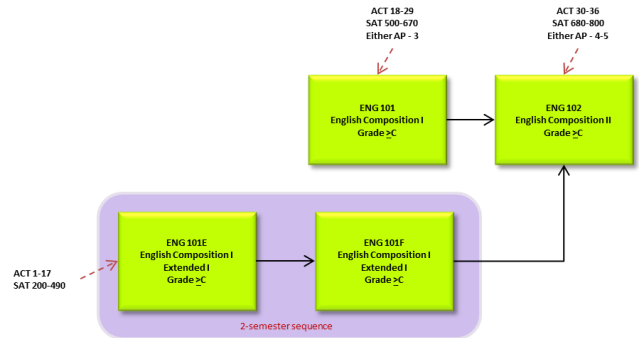
## Lower Division Chemistry Sequence



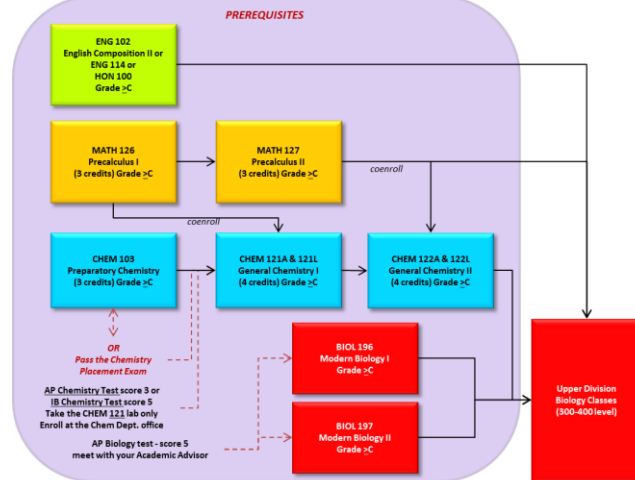
## Lower Division Physics Sequences



## Lower Division English Sequence



## Lower Division Biology Sequence For Biochemistry Majors



Read the UNLV Catalog for Course Prerequisites <http://catalog.unlv.edu/>